

**ABERDEEN AREA TRIBAL CHAIRMEN'S HEALTH BOARD (AATCHB)
NORTHERN PLAINS DENTAL SUPPORT CENTER (NPDSC)
UPDATE – COMMUNITY WATER FLUORIDATION COMPONENT**

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- 96.5% of community water system users receive fluoridated water.
- 25 of 62 community water systems have continuous monitoring for fluoride levels via online fluoride monitors.
- Project AB-08-D09 was recently completed. Fluoridation equipment at eight water treatment facilities on the Pine Ridge Indian Reservation was upgraded. New fluoridation equipment was provided at the Red Cloud Indian School. The school system (498 users) did not previously fluoridate.
- Written specifications for three different fluorosilicic acid delivery systems meeting the CDC *Engineering and Administrative Recommendations for Water Fluoridation* were converted to the Construction Specifications Institute or CSI format.
- Support center community water fluoridation component work products have been shared with most IHS Areas and are currently available via the Office of Environmental Health and Engineering, Division of Sanitation Facilities Construction, wSTARS Library. These products include specs, calculation worksheets, details (drawings), and other operation and maintenance-related resources.
- Existing fluoridation equipment at the Mni Wiconi Water Treatment Plant in Ft. Pierre, SD was upgraded on July 9, 2008. The system is owned and operated by the Oglala Sioux Tribe. This plant is large and can produce up to 13 million gallons of water per day. The distribution network is the largest in the US. The water utility was also provided with an additional online fluoride monitor.
- Excellent progress is being made on support center activities / objectives which include: providing support to maintain online monitors, installation of new fluoridation equipment, inspection of equipment, replacing equipment as needed, and reporting.
- A good system has been developed by which AATCHB / NPDSC purchases equipment and materials that are utilized by the IHS Area Fluoridation Coordinator (a Dental Program-funded position).
- Fluoridation-related technical assistance is provided to tribal water operators on a daily basis.